

Journal of Mathematics Education

i Preface

Research Article

- 1 Learning to See: Representing, Perceiving, and Judging Quantities of Numbers as a Task for In-Service Education for Pre-School Teachers
Christiane Benz
- 16 Laboratory Class Cycle: A Model for Teacher Development
Lu Pien Cheng & Ho Kyoung Ko
- 30 Building and Sustaining a Professional Learning Community: Joining in with Teachers to Improve Mathematics Teaching and Learning
Enrique Galindo, Jean Lee & Gina Borgioli Yoder
- 40 Professional Development in a Laboratory Setting Examining Evolution in Teachers' Questioning and Participation
Shweta Shripad Naik & Deborah Loewenberg Ball
- 55 Integrating Teaching Research with Teaching Practice: A Modified Chinese Model of Professional Development
Su Liang
- 67 Influences on High School Students' Mathematical Problem Solving Performance
Azita Manouchehri & Pingping Zhang
- 95 Using Community College Students' Understanding of a Trigonometric Statement to Study Their Instructors' Practical Rationality in Teaching
Vilma Mesa
- 108 Using the Evidence-Based MSA Approach to Enhance Teacher Knowledge in Student Mathematics Learning and Assessment
Shuhua An & Zhonghe Wu

Commentary

- 130 Mathematics Professional Development Models for K-12 Mathematics Teachers in California
Viji K. Sundar

- 139 Improvement of Teachers' Quality of History of Mathematics through Professional Development
Guoqiang Li
- 146 KOSINUS: An Approach to Long-Term Development of Mathematics Education
Matthias Roemer
- 161 Supporting Mathematics Teachers' Learning with Educative Curricular Materials
Jonei Cerqueira Barbosa & Andreia Maria Pereira de Oliveira